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Rebecca Brown is a Senior Fellow in Clinical Research in Diabetes, Endocrinology, and Obesity Branch of the National Institute of Diabetes, Digestive and Kidney Diseases. She received her medical degree from Mayo Medical School in Rochester, Minnesota, followed by a residency in Pediatrics at Rainbow Babies and Children's Hospital in Cleveland, Ohio. She came to NIH in 2005 for fellowship training in Pediatric Endocrinology, where she joined the laboratory of Dr. Kristina Rother, studying pathogenesis and treatment of type 1 and type 2 diabetes in children. Her current research is focused on understanding the metabolic effects of non-nutritive sweeteners, including effects on glucose metabolism, gastric emptying, satiety, intestinal glucose absorption, and gut hormones.

**Selected Peer-reviewed Publications**

1. Brown RJ, Rother KI. Effects of beta-cell rest on beta-cell function: a review of clinical and preclinical data. *Pediatr Diabetes*. 2008 Jun;9(3 Pt 2):14-22. PMID: 18221429.
2. Brown RJ, Sinaii N, Rother KI. Too much glucagon, too little insulin: time course of pancreatic islet dysfunction in new-onset type 1 diabetes. *Diabetes Care*. 2008 Jul;31(7):1403-4. PMID: 18594062.
3. Brown RJ, Rother KI, Artman H, Mercurio MG, Wang R, Looney RJ, Cowen EW. Minocycline-induced drug hypersensitivity syndrome followed by multiple autoimmune sequelae. *Arch Dermatol*. 2009 Jan;145(1):63-6. PMID: 19153345.
4. Brown RJ, Walter M, Rother KI. Ingestion of diet soda before a glucose load augments glucagon-like peptide-1 secretion. *Diabetes Care*. 2009 Dec;32(12):2184-6. PMID: 19808921.
5. Rother KI, Brown RJ, Morales MM, Wright E, Duan Z, Campbell C, Hardin DS, Popovic J, McEvoy RC, Harlan DM, Orlander PR, Brod SA. Effect of ingested interferon-alpha on beta-cell function in children with new-onset type 1 diabetes. *Diabetes Care*. 2009 Jul;32(7):1250-5. PMID: 19564474.
6. Brown RJ, de Banate MA, Rother KI. Artificial sweeteners: a systematic review of metabolic effects in youth. *Int J Pediatr Obes*. 2010 Aug;5(4):305-12. PMID: 20078374.
7. Brown RJ, Kelly MH, Collins MT. Cushing syndrome in the McCune-Albright syndrome. *J Clin Endocrinol Metab*. 2010 Apr;95(4):1508-15. PMID: 20157193.
8. Gemmill JA, Brown RJ, Nandagopal R, Rodriguez LM, Rother KI. Clinical trials in youth with type 2 diabetes. *Pediatr Diabetes*. 2010 Apr 23. PMID: 20456085.
9. Nandagopal R, Brown RJ, Rother KI. Resolution of type 2 diabetes following bariatric surgery: implications for adults and adolescents. *Diabetes Technol Ther*. 2010 Aug;12(8):671-7. PMID: 20615109.
10. Brown RJ, Wijewickrama RC, Harlan DM, Rother KI. Uncoupling Intensive Insulin Therapy from Weight Gain and Hypoglycemia in Type 1 Diabetes. *Diabetes Technol Ther*. In press.